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A functional peptide affinity extract give
defined difference bands

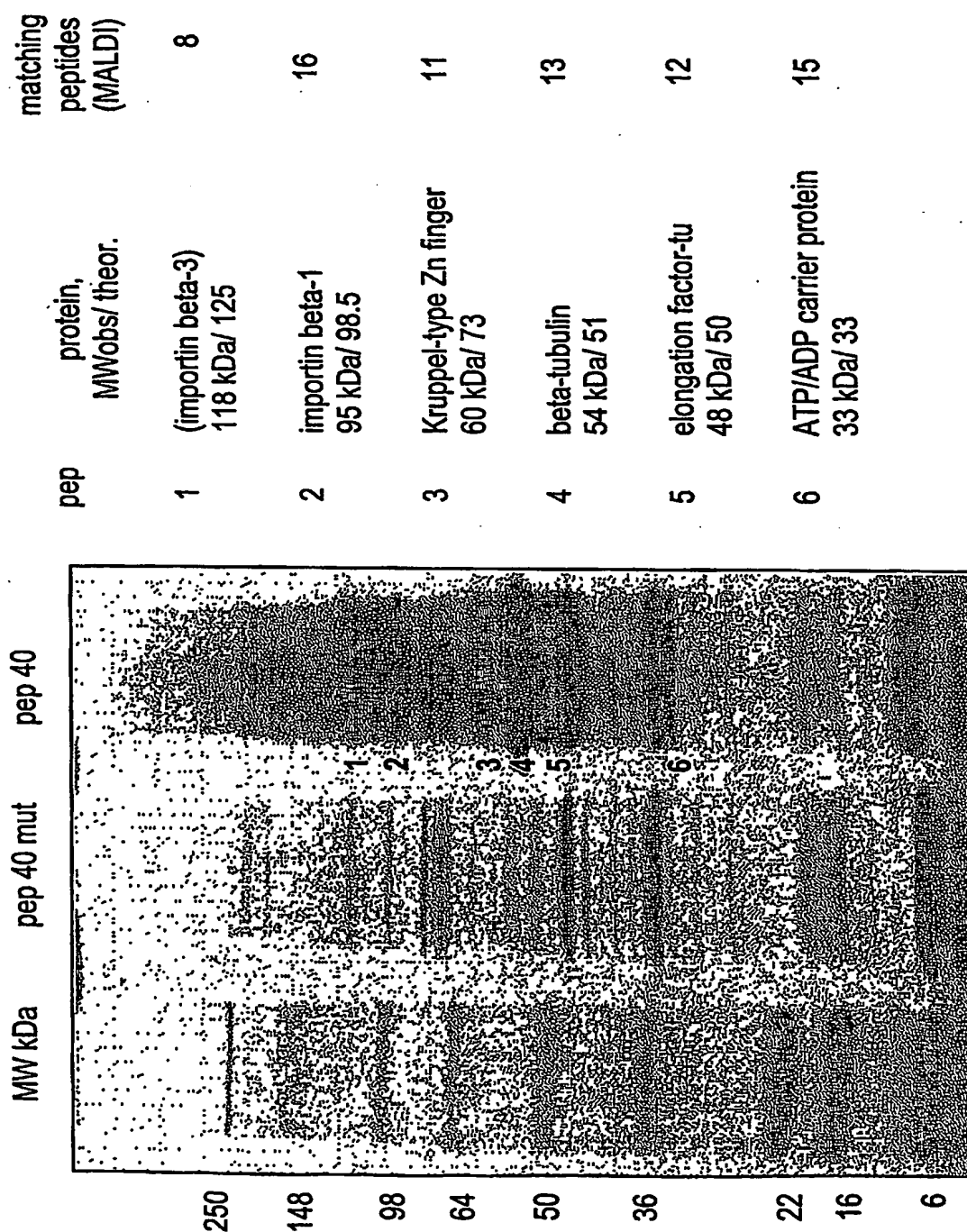


FIG. 1

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Peptide 41 affinity extracts at least 6 proteins

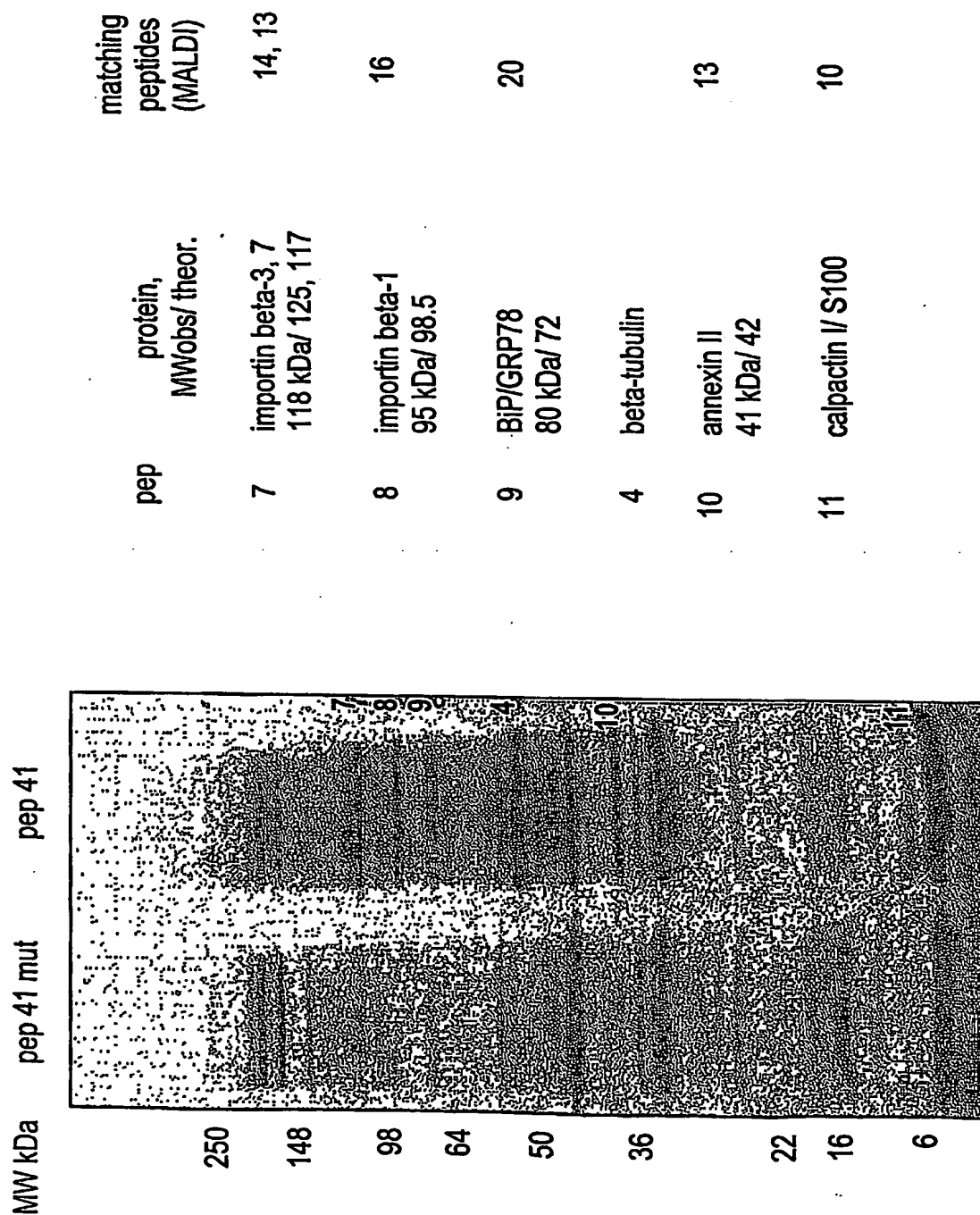


FIG. 2

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Peptide 35 affinity extracts at least 5 proteins

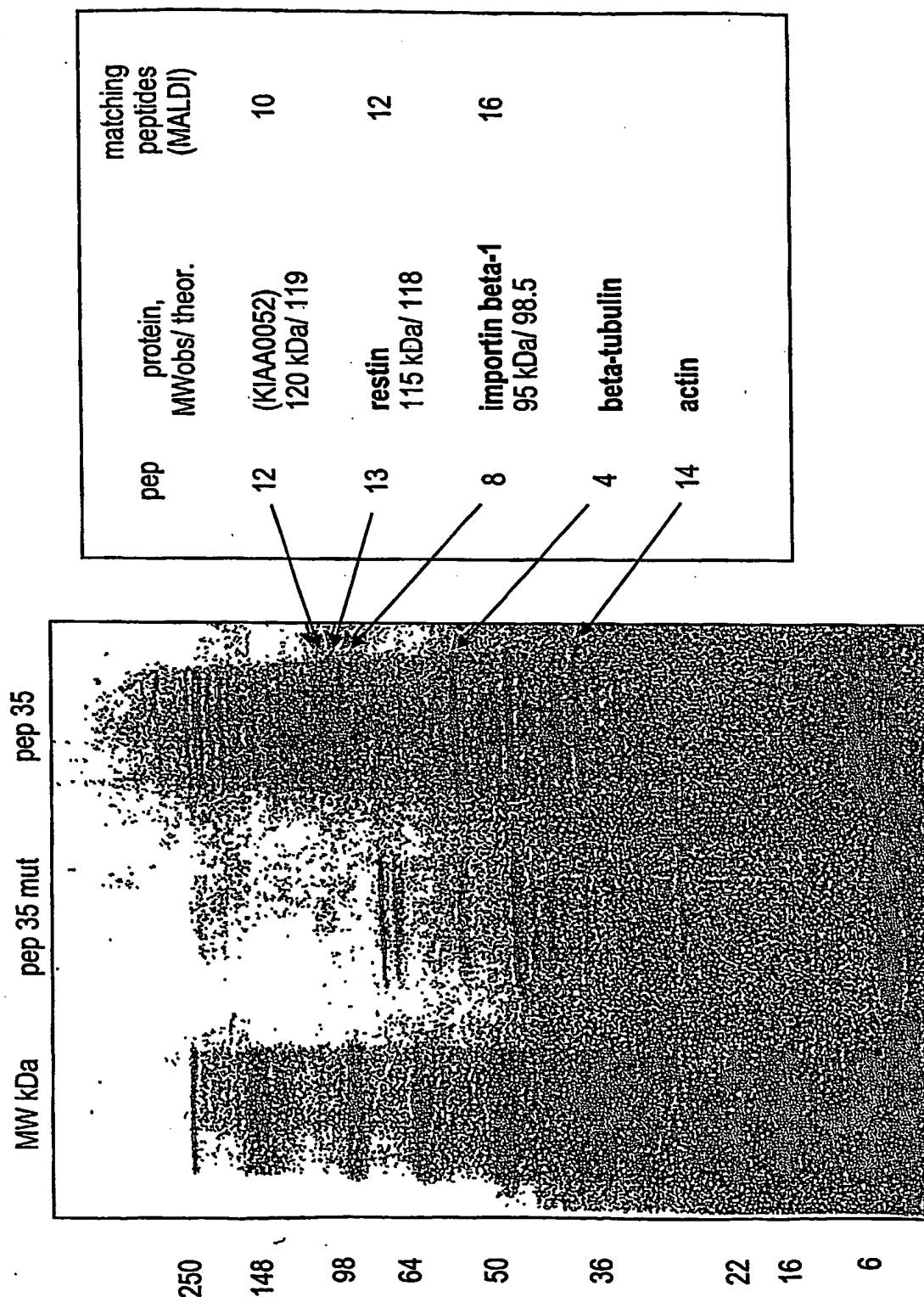
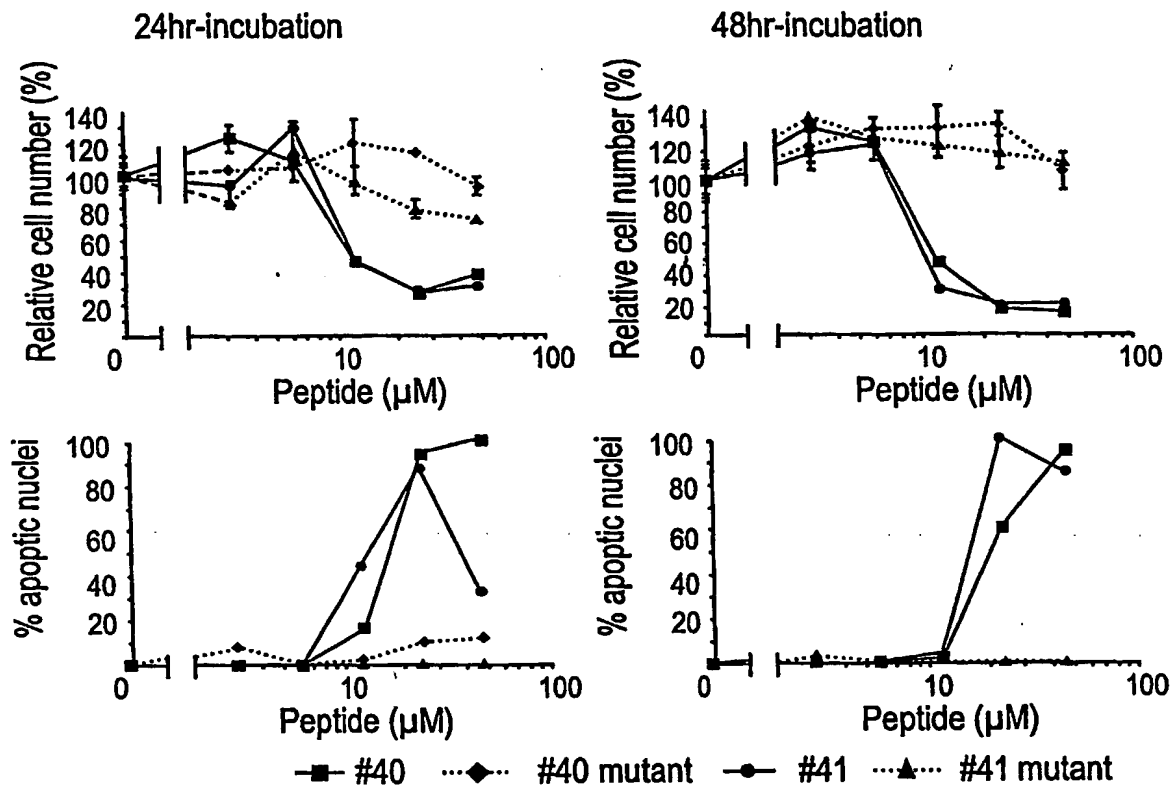


FIG. 3

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Peptide 40, 41 and their alanine mutants with 7 lysines fused to their N-terminus, were synthesized. Various concentration of peptides were added to A549 cells. After 24-48 hour incubation, the number of nuclei and apoptotic nuclei was counted using Cellomics Array Scan II.

FIG. 4

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#38: ACTAGTGGTTGCTGAAGCTGGTGCAGGCTAAGCGTAAAGTGTGTTATTAGTTAG
T S G L L K L V Q A K R K C C I S

#40: CGTTGGGATCCGACGCGATTGCTGCGATTTCGGTTCCTCCGGATGCTAGTGAGGCGGAGTAGGCCCGTGAGG
CCCTAA
R W D P T R L L R F R F L R M L V R R S R P V R P

#41: GGAAGGGGATGTATCTTTTCGATGGAGGAGAGGCCCTCGGGGAATGATGAGACTATTTAAGTAG
G R G C I F R W R R G L R G M M R L F K

#88: CGGCTCCGGAGAATATGTAGCGGCATTCTGCTCATCCGTAGGATTTGGGCATTTTCGTTAGGCCCGTGAGGC
CCTAA
R L R R I C S G I L L I R R I L G I F V R P V R P

FIG. 5

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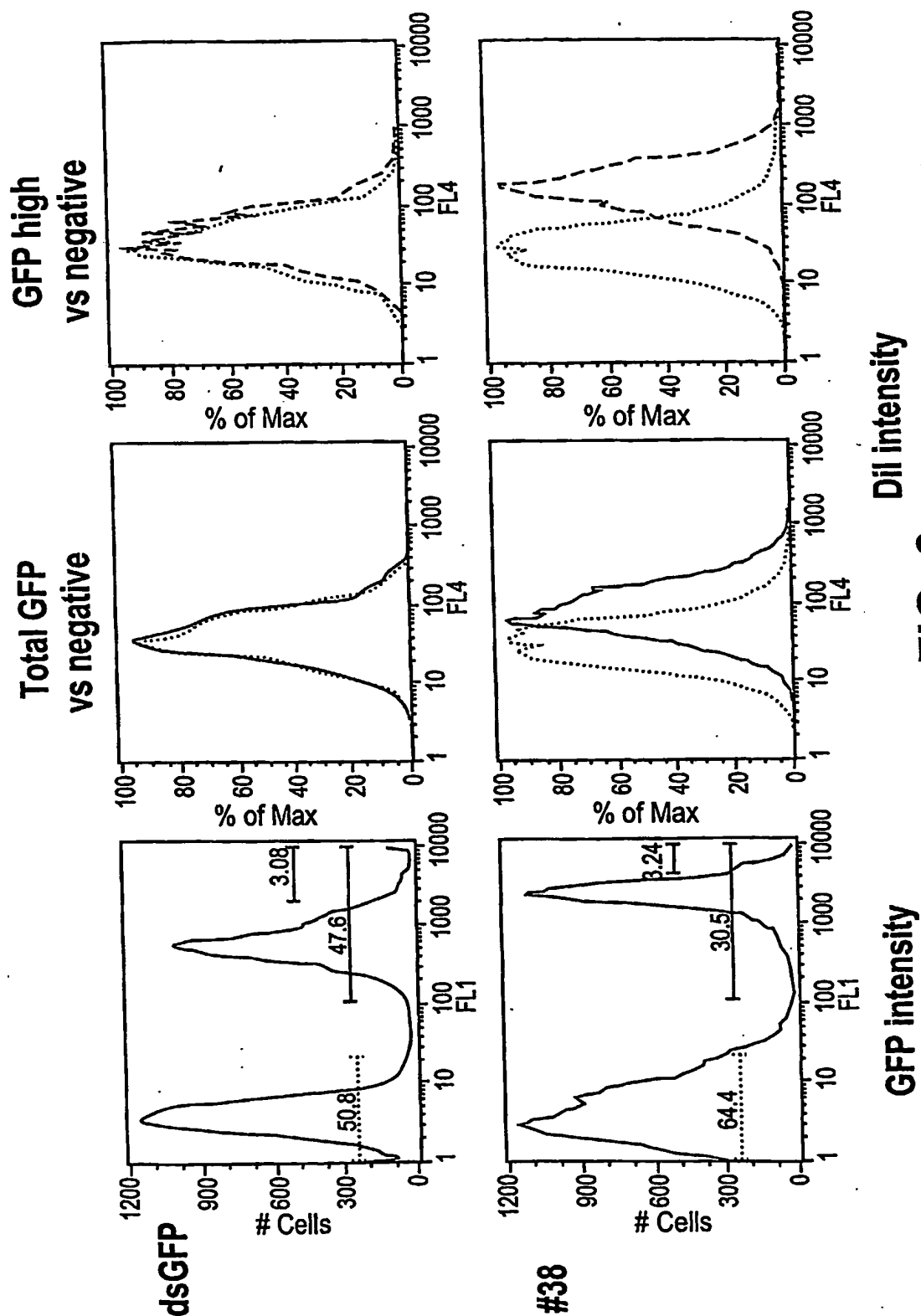


FIG. 6.

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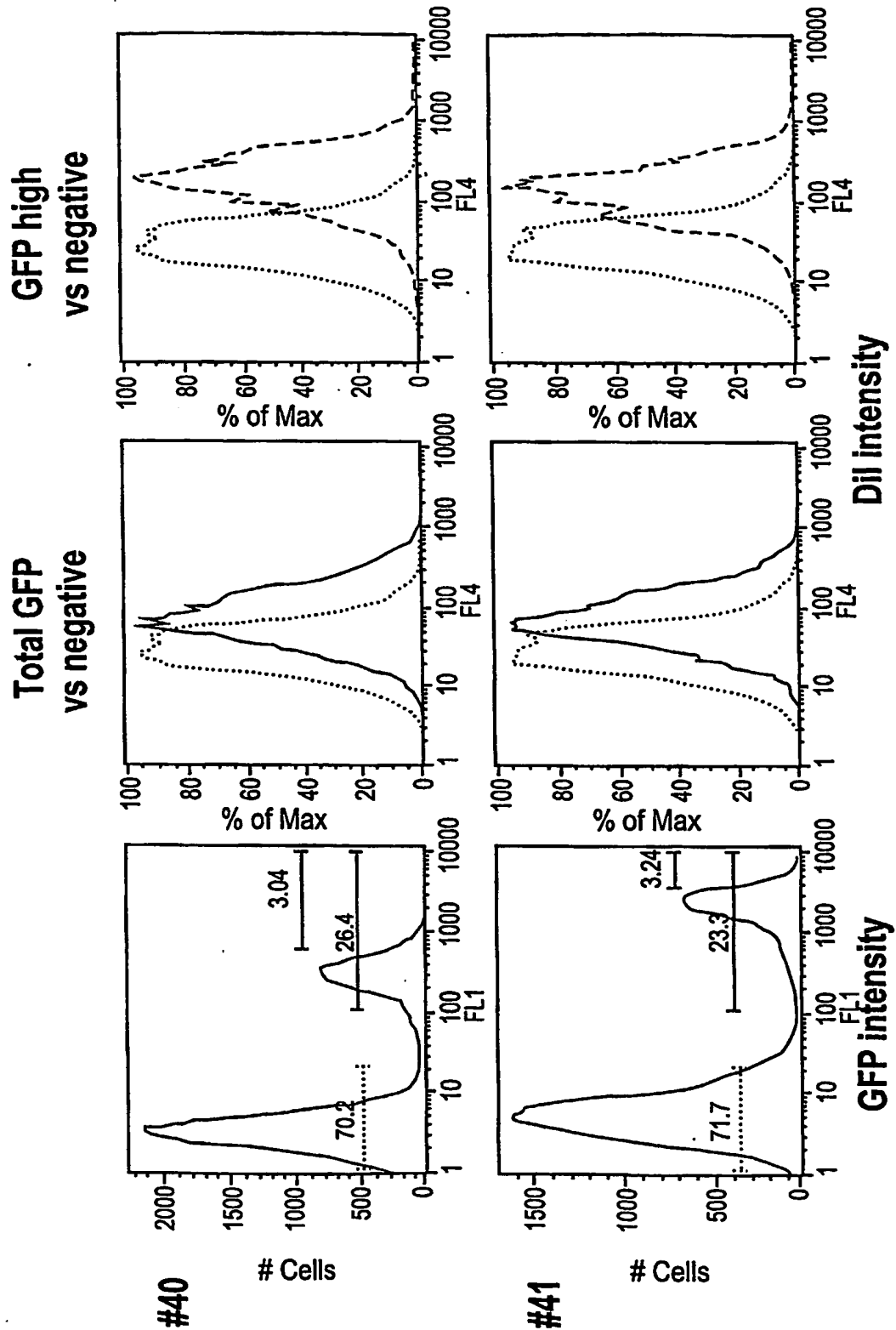


FIG. 6 (CONT.)

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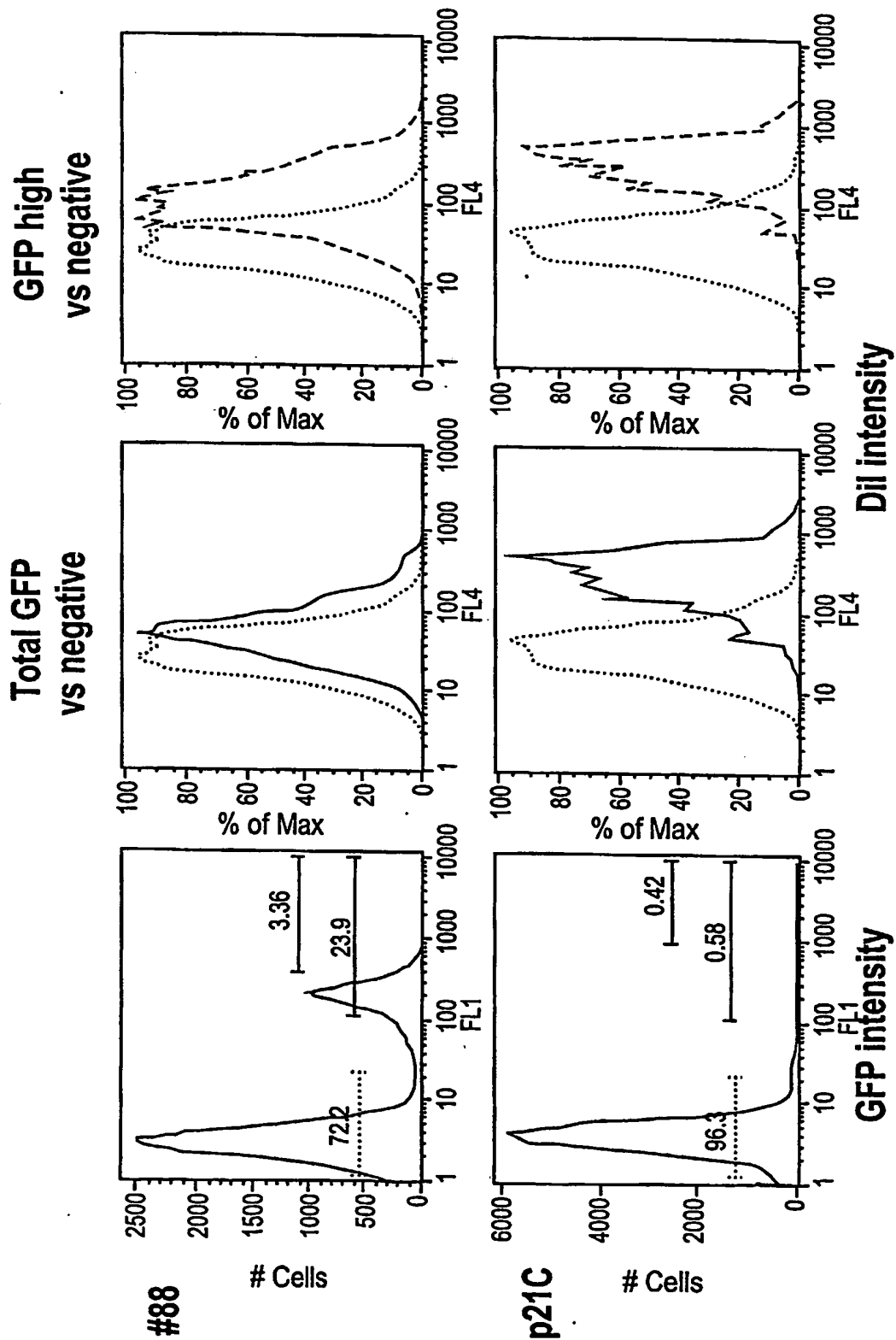


FIG. 6 (CONT.)

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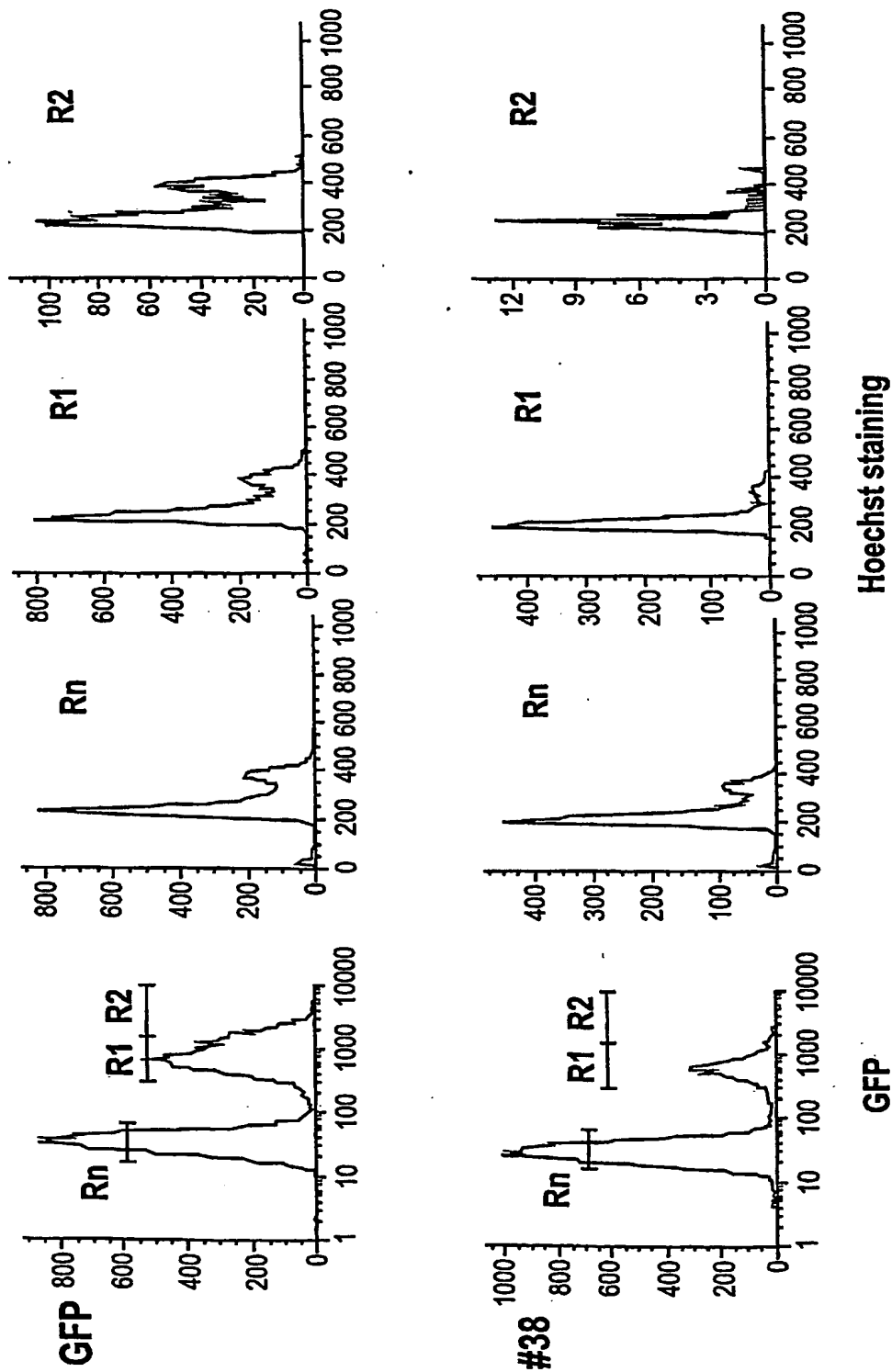


FIG. 7

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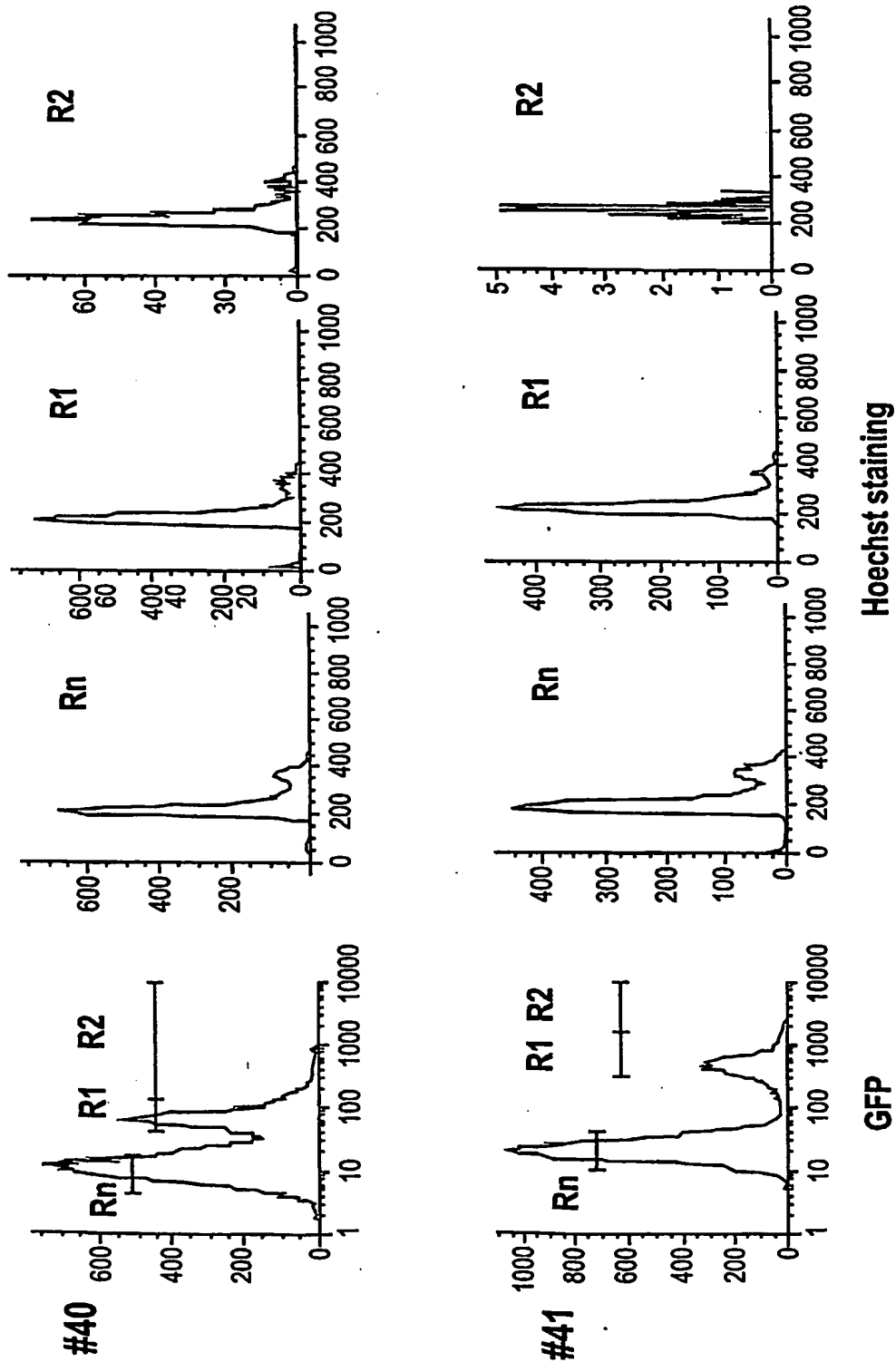


FIG. 7 (CONT.)

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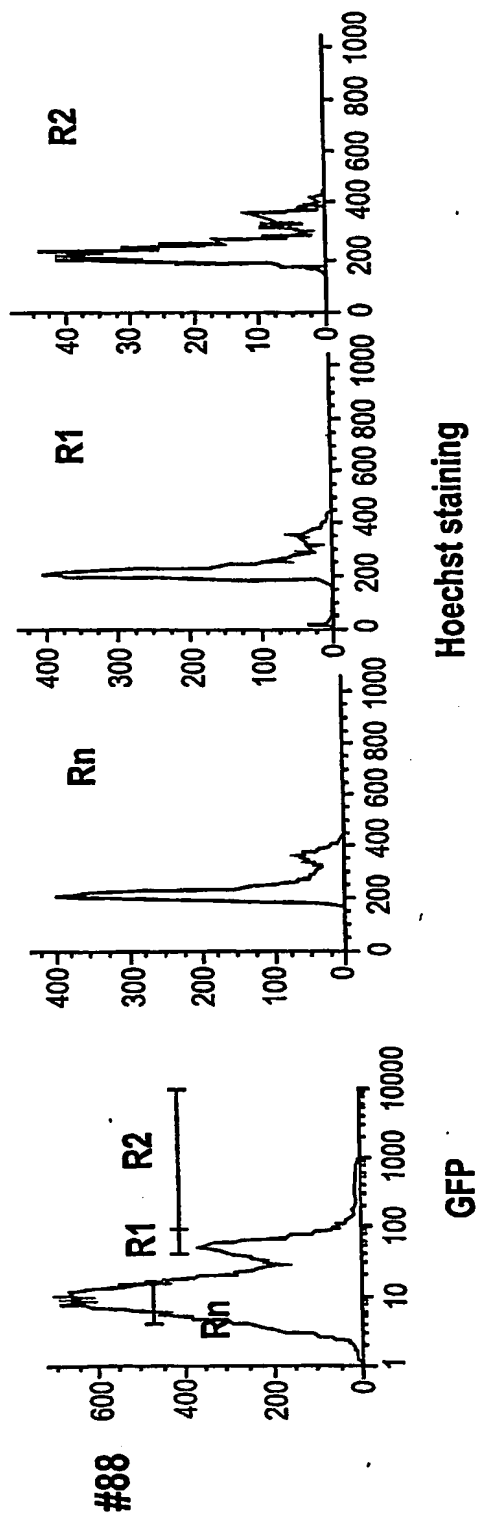


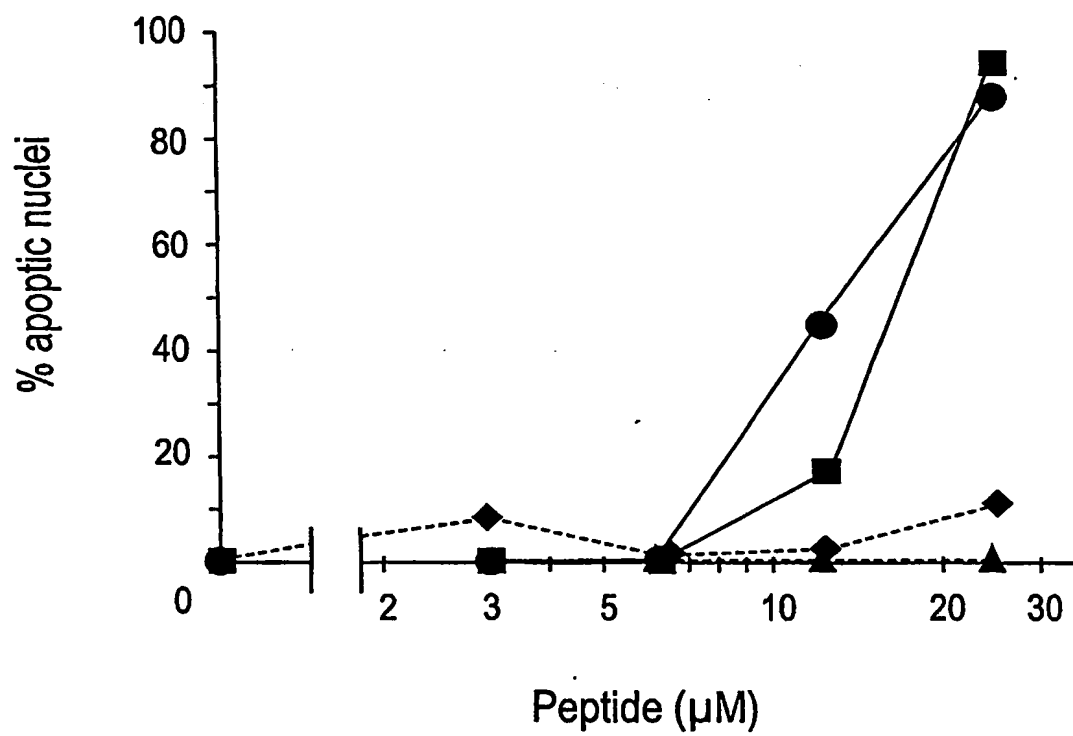
FIG. 7 (CONT.)

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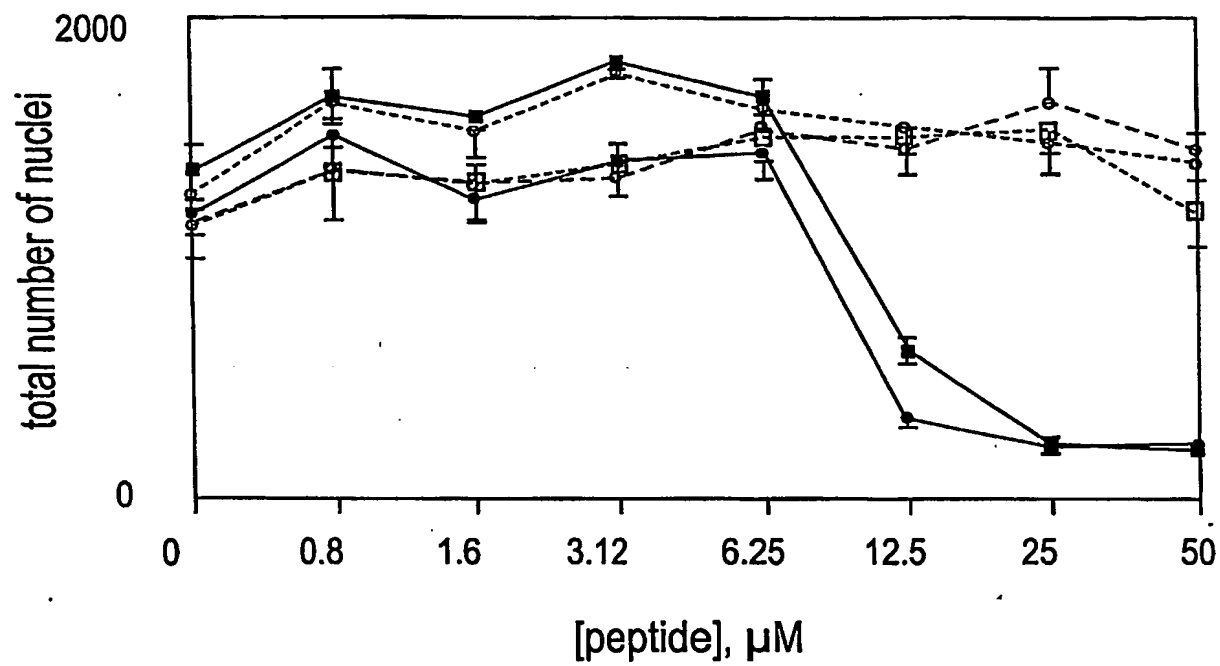
K7_40 : KKKKKKKKGEEAAKARWDPTRLLRFRFLRMLVRRSRP
K7_40 M .KKKKKKKKKGEEAAKARWDPTRALRARFARALVRRSR
K7_41 : KKKKKKKKKKGEEAAKAGRGCIFRWRRGLRGMMRLFK
K7_41 M KKKKKKKKKKGEEAAKAGRGCIFRARRGARGMARAFK

FIG. 8

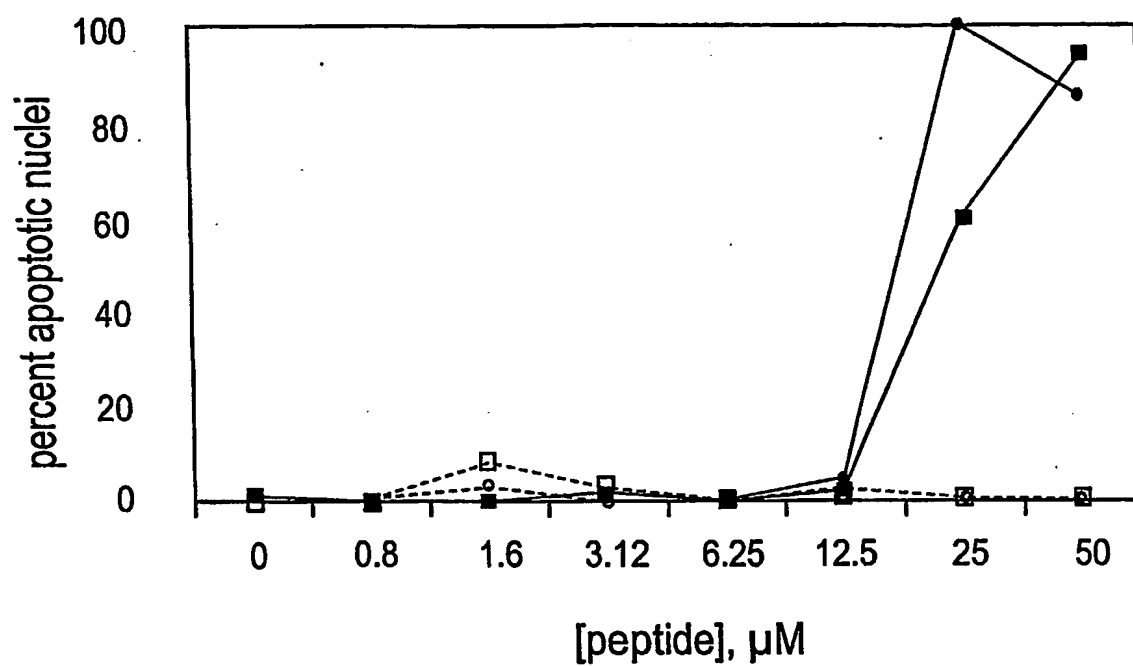
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**FIG. 9**

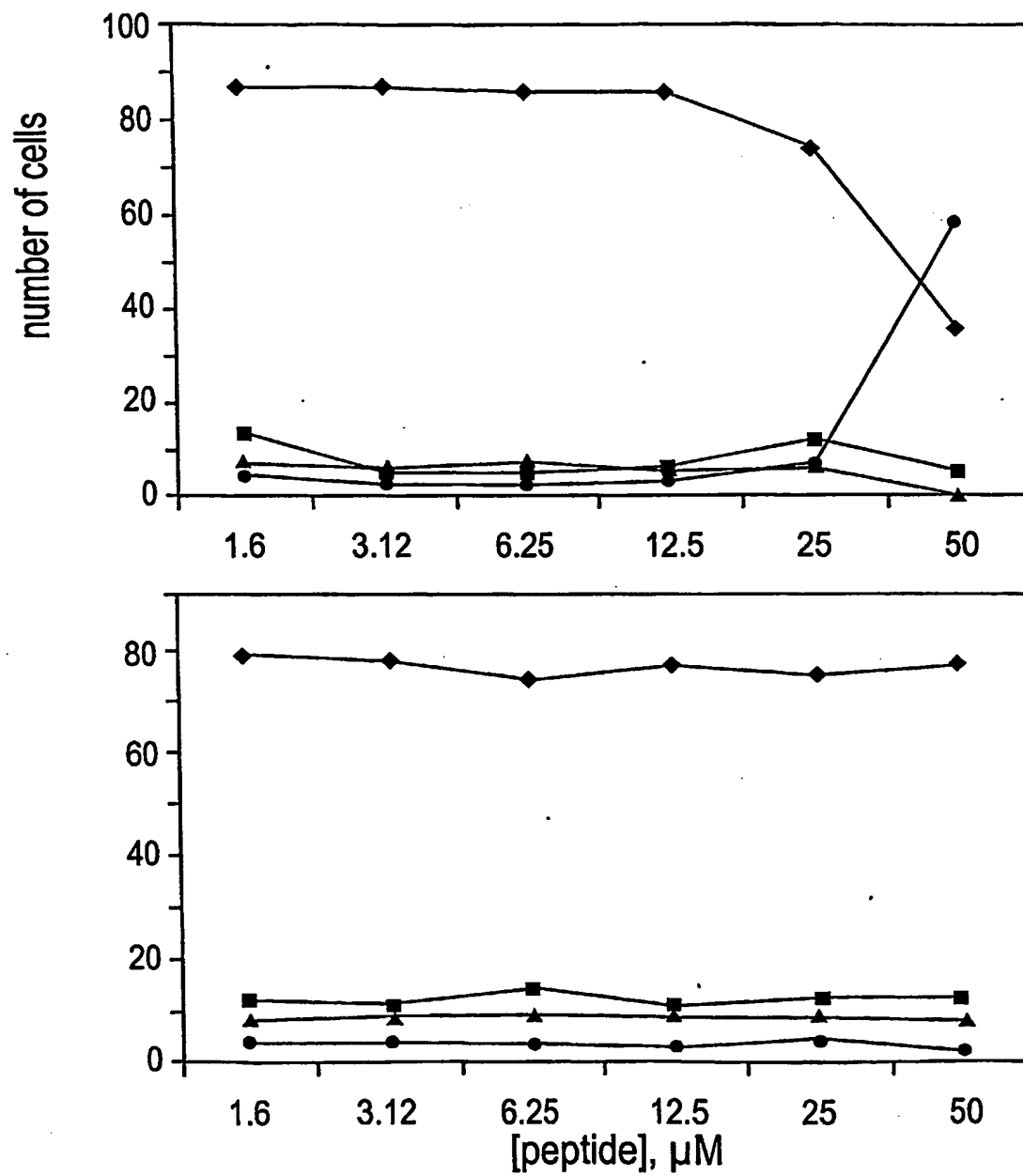
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**FIG. 10**

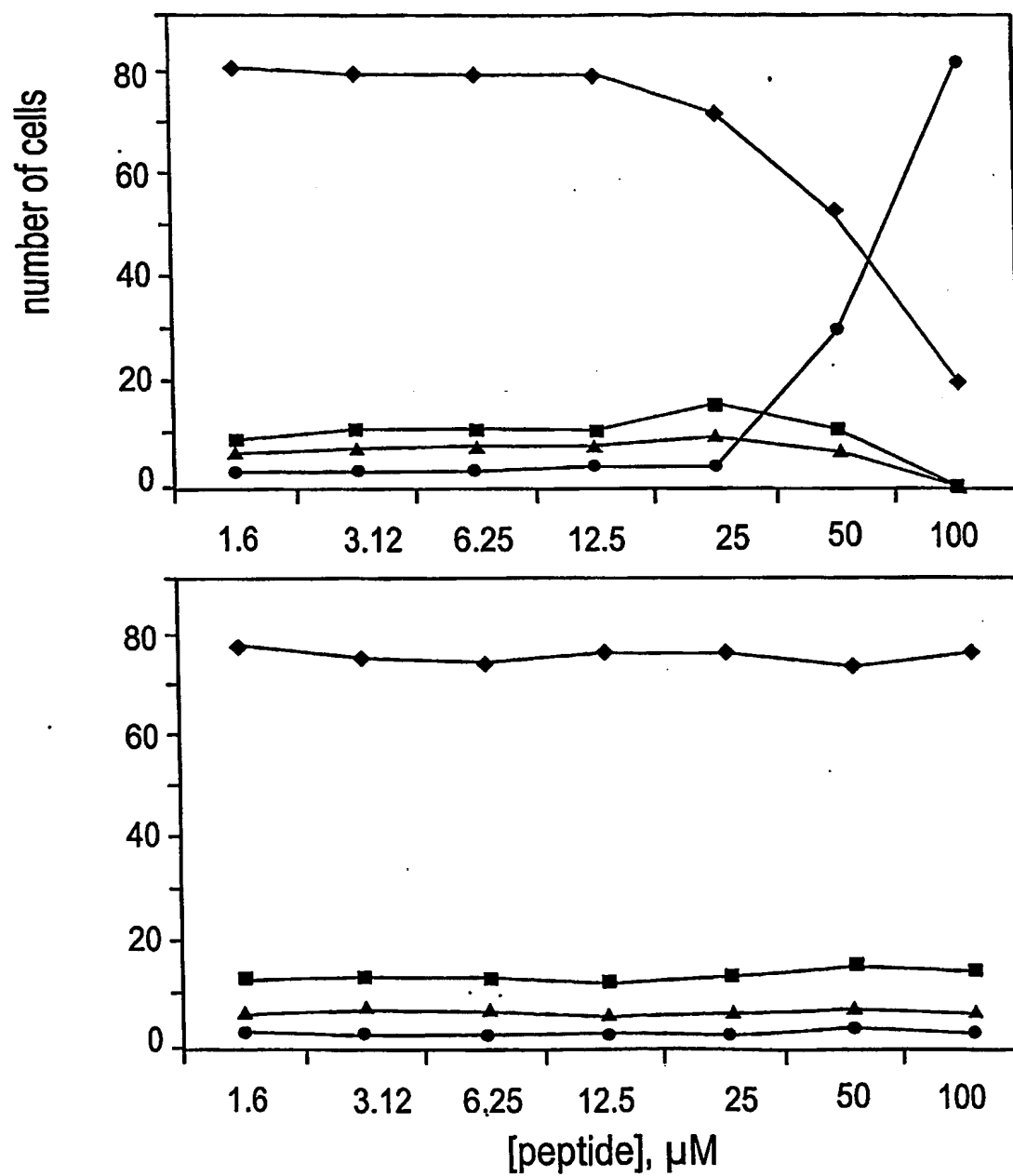
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**FIG. 11**

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**FIG. 12**

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**FIG. 13**

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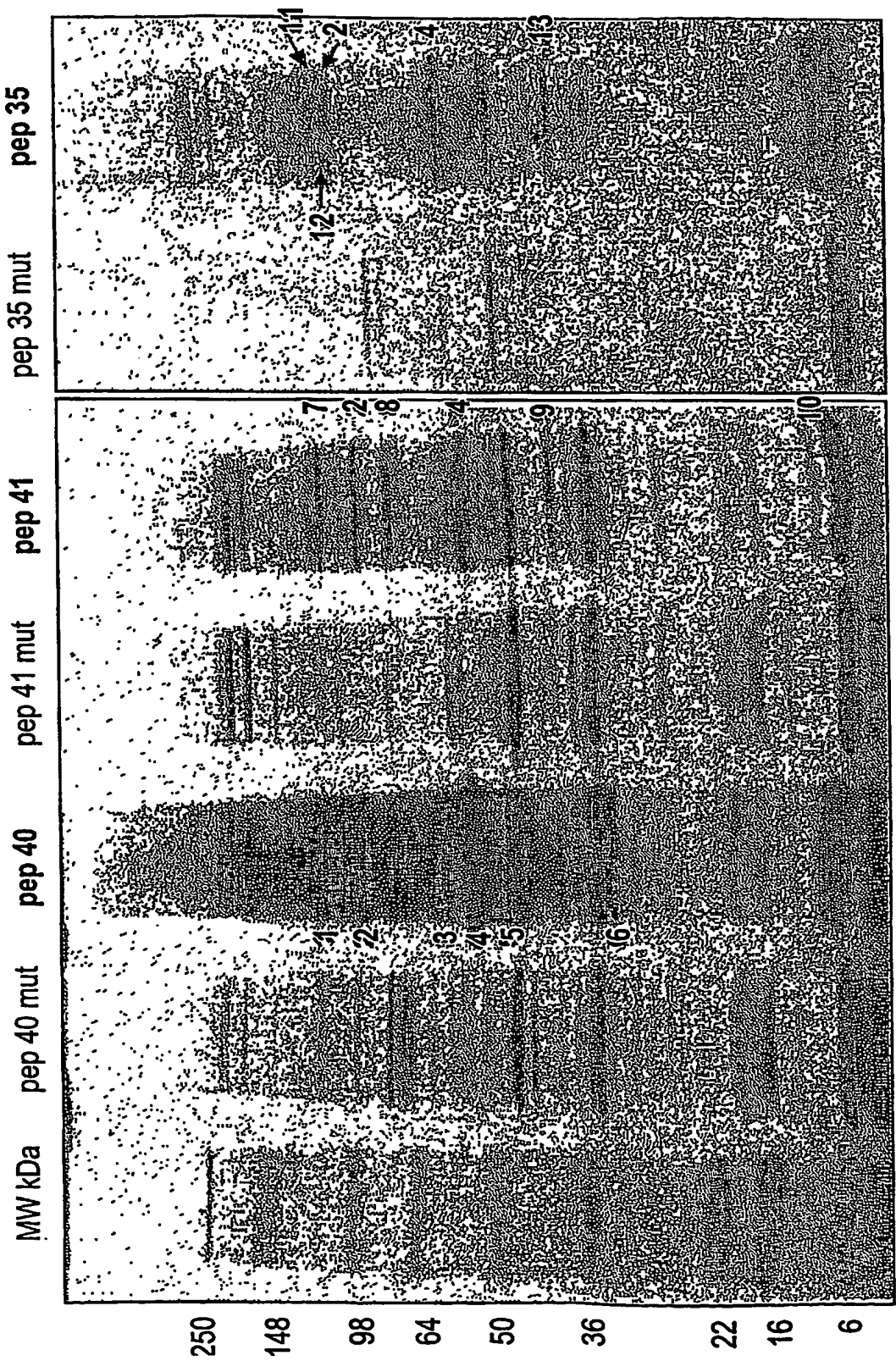


FIG. 14

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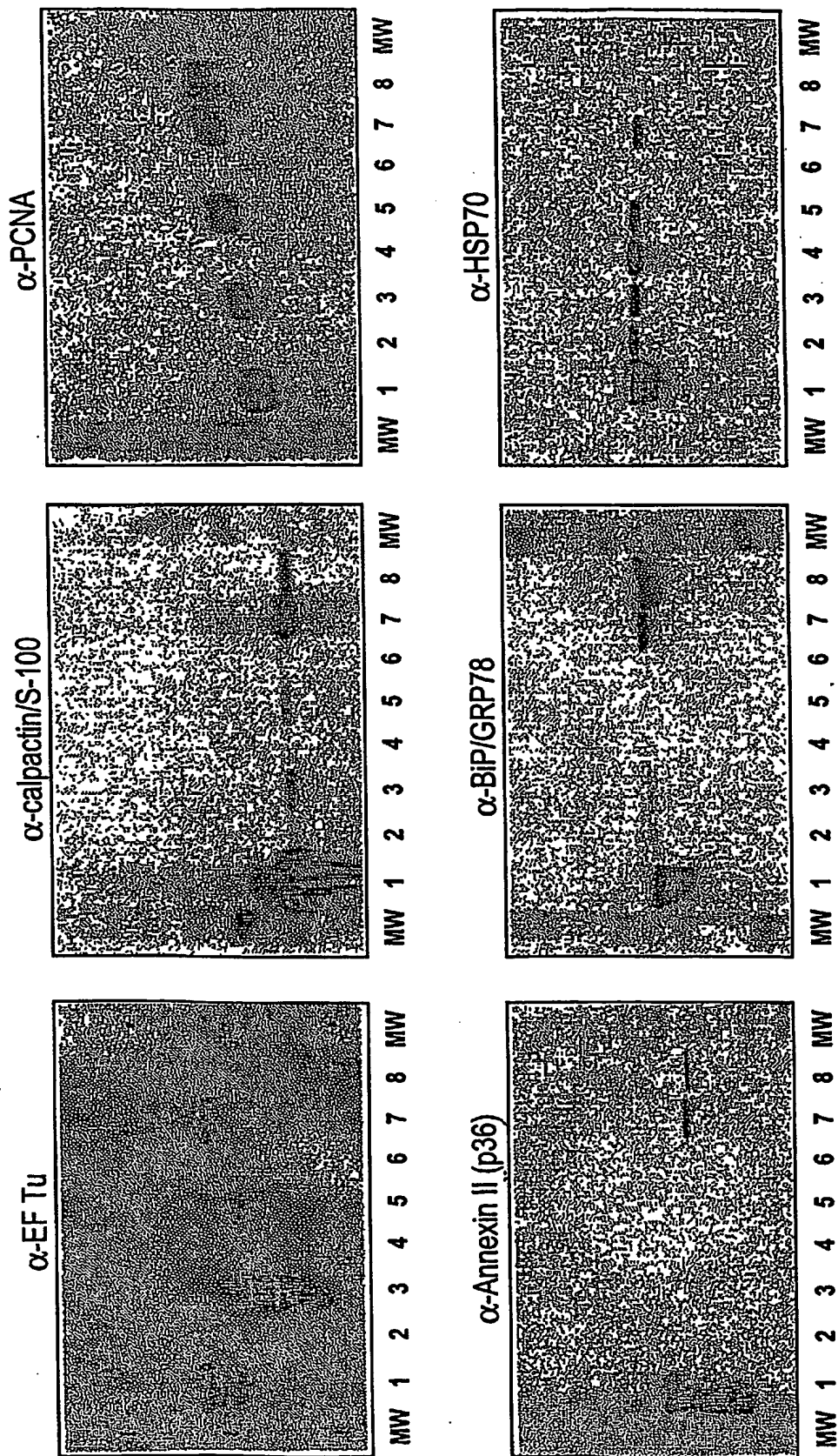


FIG. 15

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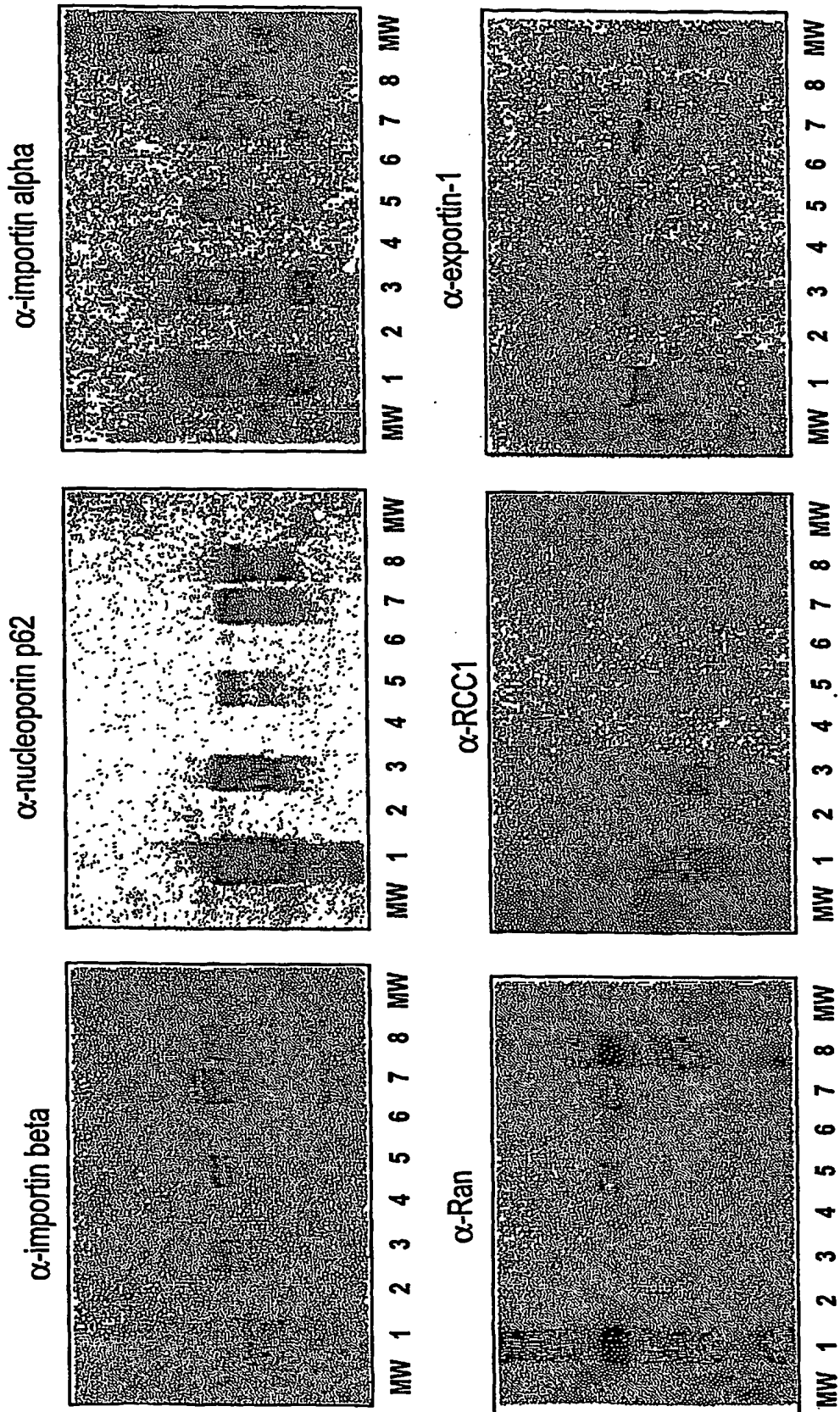


FIG. 16

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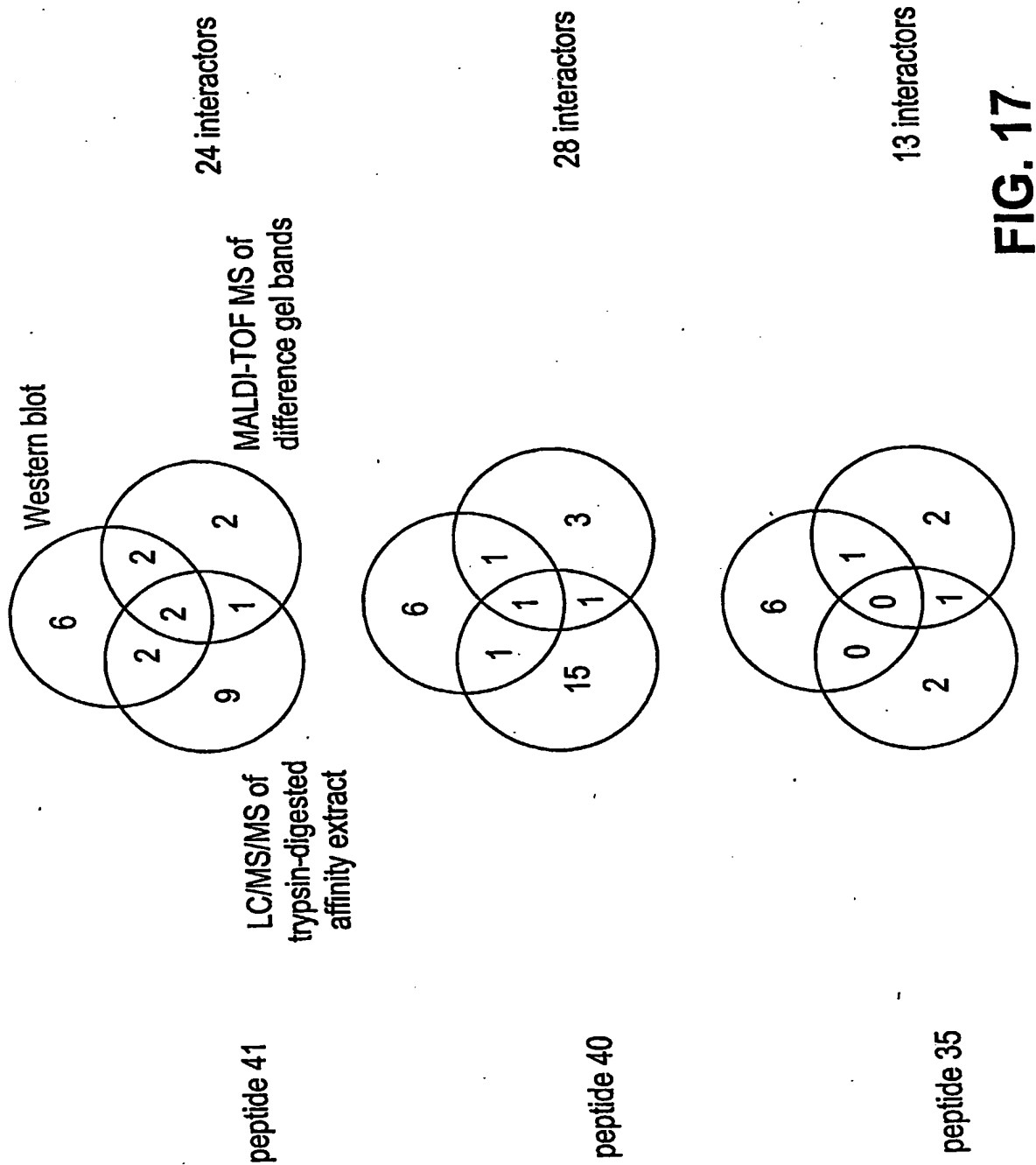


FIG. 17

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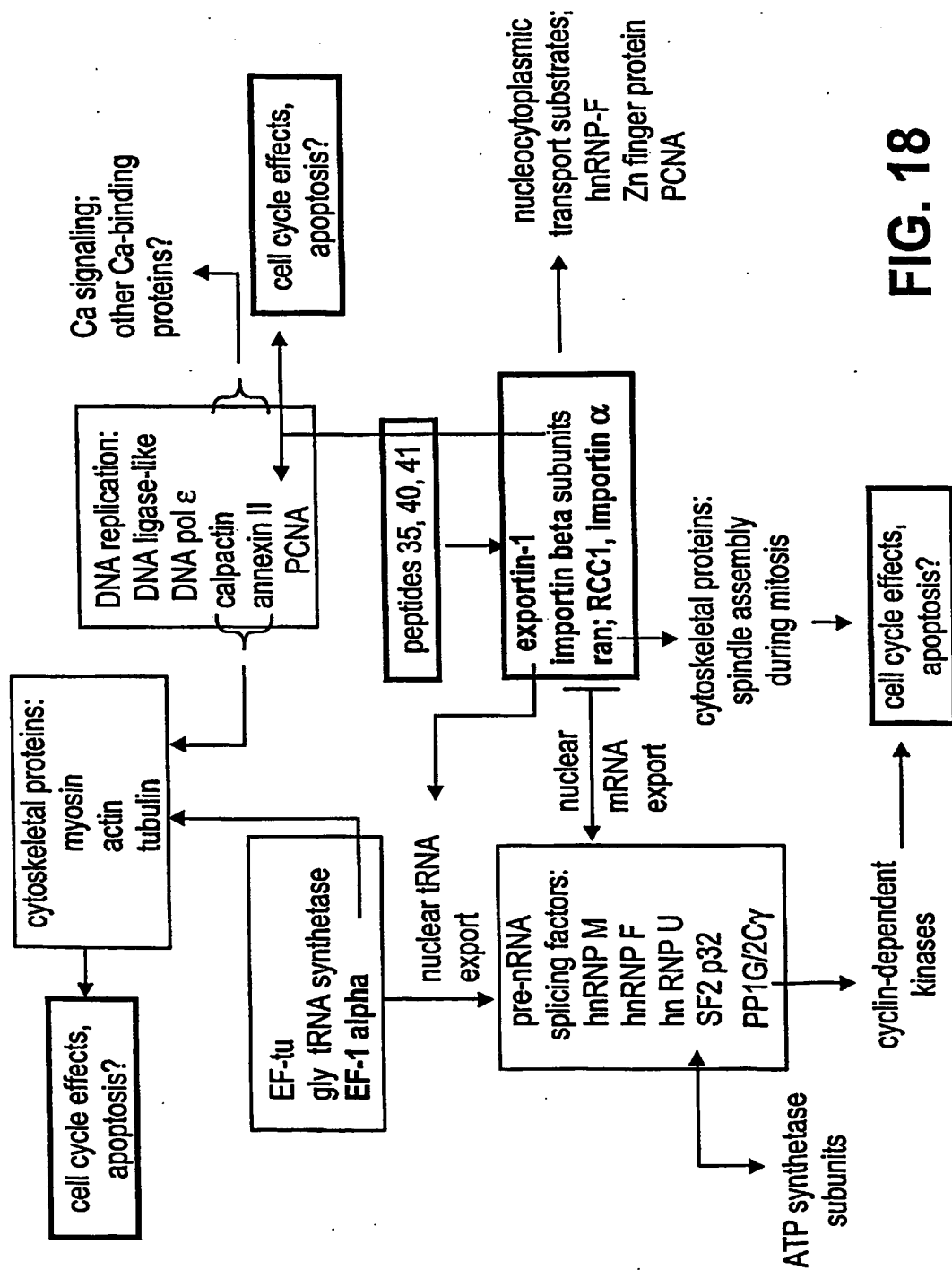


FIG. 18

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